



## Field Turbidity Data Sheet

Bradford Island In-Water Removal Work

**Monitoring Location:** Pile 1

**Monitoring Dates:** 2/27, 2/28, 3/1, 3/2, 3/4/2002

**Weather:** 2/27: Sunny, 60 F, calm

2/28: Partly sunny, 40-45 F, calm

3/1: Partly sunny, 35 F, calm

3/2: Sunny, 35 F, slight easterly wind, calm

3/4: Sunny, 35 F, slight westerly wind

| Date    | Station                        | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>   |
|---------|--------------------------------|-------------------------------------|------|------------------------------------|-------------------------|---|
| 2/27/02 | Sample Location # 020227IW04WC | 30                                  | 1300 |                                    | 3.55                    | Background sample location at Pile 1  |
|         |                                |                                     |      |                                    |                         |   |
|         |                                |                                     | 1330 |                                    |                         |   |
| 2/27/02 | Down current (upriver)         | 30                                  | 1410 | 24                                 | 6.78                    | Diver in water at 1410<br>Current real low  |
|         |                                |                                     |      | 18                                 | 7.83                    |   |
|         |                                |                                     | 1425 | 6                                  | 8.92                    |   |
| 2/27/02 | Up current (downriver)         | 35                                  | 1430 | 28                                 | 7.29                    | Current real low<br>Next reading: 1640  |
|         |                                |                                     |      | 21                                 | 7.5                     |   |
|         |                                |                                     | 1440 | 7                                  | 9.18                    |   |
| 2/27/02 | Down current                   | 50+                                 |      | 40                                 | 5.43                    | Current is very strong (strongest yet-generating power?)                                      |
|         |                                |                                     |      | 30                                 | 5.96                    |   |
|         |                                |                                     |      | 10                                 | 2.5                     |   |
| 2/27/02 | Down current                   | 50+                                 | 1500 | 40                                 | 4.17                    | Strong current<br>Next reading: 1515  |
|         |                                |                                     |      | 30                                 | 5.43                    |   |
|         |                                |                                     | 1505 | 10                                 | 6.87                    |   |
| 2/27/02 | Down current                   | 50+                                 | 1515 | 40                                 | 8.63                    | Strong current  |
|         |                                |                                     |      | 30                                 | 9.18                    |   |
|         |                                |                                     |      | 10                                 | 10.02                   |   |
| 2/27/02 | Down current                   | 50+                                 | 1535 | 40                                 | 7.5                     | Strong current  |
|         |                                |                                     |      | 30                                 | 7.5                     |   |
|         |                                |                                     |      | 10                                 | 9.18                    |   |
| 2/27/02 | Down current                   | 50+                                 | 1555 | 40                                 | 5.45                    | Strong current  |
|         |                                |                                     |      | 30                                 | 6.06                    |   |
|         |                                |                                     | 1605 | 10                                 | 7.97                    |   |
| 2/27/02 | Down current                   | 50+                                 | 1620 | 40                                 | 4.56                    | Divers out of water at 1630   |
|         |                                |                                     |      | 30                                 | 6.29                    |   |
|         |                                |                                     | 1625 | 10                                 | 7.45                    |   |
| 2/28/02 | Up current (west of work area) | 35                                  | 0755 | 28                                 | 3.77                    | Checked meter with 1000 NTU (912 NTU) and 20 NTU (20) solutions<br>One diver in water at 0845 |
|         |                                |                                     |      | 21                                 | 4.17                    |   |

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2/28: Partly sunny, 40-45 F, calm

3/1: Partly sunny, 35 F, calm

3/2: Sunny, 35 F, slight easterly wind, calm

3/4: Sunny, 35 F, slight westerly wind

| Date    | Station                          | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>                                     |
|---------|----------------------------------|-------------------------------------|------|------------------------------------|-------------------------|---|
|         |                                  |                                     | 0800 | 7                                  | 5.43                    | Second diver in water at 0905   |
| 2/28/02 | Down current (east of work area) | 28                                  | 0910 | 22.5                               | 4.17                    |   |
|         |                                  |                                     |      | 17                                 | 4.77                    |   |
|         |                                  |                                     | 0915 | 5.5                                | 6.06                    |   |
| 2/28/02 | Down current (east of work area) | 28                                  | 0925 | 22.5                               | 5.64                    | Visibility 5 feet   |
|         |                                  |                                     |      | 17                                 | 6.06                    |   |
|         |                                  |                                     | 0930 | 5.5                                | 6.06                    |   |
| 2/28/02 | Down current (east of work area) | 28                                  | 0940 | 22.5                               | 4.17                    | Visibility 5 feet   |
|         |                                  |                                     |      | 17                                 | 4.17                    |   |
|         |                                  |                                     | 0945 | 5.5                                | 4.75                    |   |
| 2/28/02 | Down current (east of work area) | 28                                  | 0950 | 22.5                               | 6.06                    | Visibility 5 feet   |
|         |                                  |                                     |      | 17                                 | 7.08                    |   |
|         |                                  |                                     | 0955 | 5.5                                | 4.98                    |   |
| 2/28/02 | Down current (east of work area) | 28                                  | 1005 | 22.5                               | 4.35                    |   |
|         |                                  |                                     | 1015 | 17                                 | 4.98                    |   |
|         |                                  |                                     |      | 5.5                                | 6.66                    |   |
| 2/28/02 | Down current (east of work area) | 28                                  | 1025 | 22.5                               | 5.64                    |   |
|         |                                  |                                     | 1030 | 17                                 | 4.77                    |   |
|         |                                  |                                     |      | 5.5                                | 6.06                    |   |
| 2/28/02 | Down current (east of work area) | 28                                  | 1040 | 22.5                               | 3.96                    | One diver out of water at 1040<br>Current picked up (very strong now) |
|         |                                  |                                     |      | 17                                 | 3.96                    |   |
|         |                                  |                                     | 1045 | 5.5                                | 6.87                    |   |
| 2/28/02 | Up current                       | 35                                  | 1105 | 28                                 | 7.08                    | Very strong easterly current<br>Next reading: 1310                    |
|         |                                  |                                     |      | 21                                 | 6.55                    |   |
|         |                                  |                                     | 1110 | 7                                  | 6.98                    |   |
| 2/28/02 | Down current                     | 28                                  | 1140 | 22.5                               | 7.94                    | Next reading: 1155  |
|         |                                  |                                     | 1145 | 17                                 | 8.27                    |   |
|         |                                  |                                     |      | 5.5                                | 7.5                     |   |
|         |                                  |                                     | 1155 | 22.5                               | 6.66                    | Next reading: 1210  |

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2/28: Partly sunny, 40-45 F, calm

3/1: Partly sunny, 35 F, calm

3/2: Sunny, 35 F, slight easterly wind, calm

3/4: Sunny, 35 F, slight westerly wind

| Date    | Station  | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>  |
|---------|--|-------------------------------------|------|------------------------------------|-------------------------|--|
| 2/28/02 | Down current                                       | 28                                  |      | 17                                 | 6.27                    |  |
|         |  |                                     | 1200 | 5.5                                | 7.29                    |  |
| 2/28/02 | Down current                                       | 28                                  | 1210 | 22.5                               | 7.08                    |  |
|         |  |                                     |      | 17                                 | 7.5                     |  |
|         |  |                                     | 1215 | 5.5                                | 9.55                    |  |
| 2/28/02 | Sample Location # 020228IW05WC                     |                                     | 1300 |                                    | 3-8                     | Spiked at 10-14 for ~10 seconds<br>Monitored from man basket hung by crane   |
|         |  |                                     |      |                                    |                         |  |
|         |  |                                     | 1400 |                                    |                         |  |
| 2/28/02 | Up current   | 35                                  | 1445 | 28                                 | 8.16                    | 1400-1500: Used suction hose under electrical debris<br>(Foss in motor boat) |
|         |  |                                     |      | 21                                 | 8.55                    |  |
|         |  |                                     | 1450 | 7                                  | 6.66                    |  |
| 2/28/02 | Down current (off barge as Foss is using the boat) | 50+                                 | 1500 | 40                                 | 6.06                    | Strong current   |
|         |  |                                     |      | 30                                 | 5.64                    |  |
|         |  |                                     | 1505 | 10                                 | 7.59                    |  |
| 2/28/02 | Down current                                       | 50+                                 | 1515 | 40                                 | 8.16                    | Strong current<br>One diver out of water                                     |
|         |  |                                     |      | 30                                 | 8.55                    |  |
|         |  |                                     | 1520 | 10                                 | 7.08                    |  |
| 2/28/02 | Down current                                       | 50+                                 | 1530 | 40                                 | 6.66                    |  |
|         |  |                                     |      | 30                                 | 8.33                    |  |
|         |  |                                     | 1535 | 10                                 | 6.45                    |  |
| 2/28/02 | Down current                                       | 50+                                 | 1550 | 40                                 | 3.98                    | Current picked up<br>Diver and basket out of water at 1600                   |
|         |  |                                     |      | 30                                 | 6.06                    |  |
|         |  |                                     | 1555 | 10                                 | 4.77                    |  |
| 3/1/02  | Up current   | 35                                  | 0745 | 28                                 | 8.16                    | Pool elevation dropped ~1 foot (74 feet MSL approx)                          |
|         |  |                                     |      | 21                                 | 8.37                    |  |
|         |  |                                     | 0750 | 7                                  | 7.95                    |  |
| 3/1/02  | Down current (in boat)                             | 40                                  | 0850 | 32                                 | 1.86                    | Diver in water at 0840<br>Strong current<br>Visibility 5 feet                |
|         |  |                                     |      | 24                                 | 2.07                    |  |
|         |  |                                     | 0855 | 8                                  | 5.64                    |  |

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3/2: Sunny, 35 F, slight easterly wind, calm

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| Date   | Station                | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>  |
|--------|------------------------|-------------------------------------|------|------------------------------------|-------------------------|--|
| 3/1/02 | Down current (in boat) | 40                                  | 0905 | 32                                 | 2.07                    | Current is stronger here (eastern tip of island) than at background location |
|        |                        |                                     |      | 24                                 | 3.86                    |  |
|        |                        |                                     | 0910 | 8                                  | 10.86                   |  |
| 3/1/02 | Down current (in boat) | 40                                  | 0920 | 32                                 | 2.07                    | Visibility 5 feet  |
|        |                        |                                     |      | 24                                 | 3.54                    |  |
|        |                        |                                     | 0925 | 8                                  | 5.43                    |  |
| 3/1/02 | Down current (in boat) | 40                                  | 0935 | 32                                 | 2.54                    |  |
|        |                        |                                     |      | 24                                 | 3.33                    |  |
|        |                        |                                     | 0940 | 8                                  | 2.91                    |  |
| 3/1/02 | Down current (in boat) | 40                                  | 1025 | 32                                 | 5.64                    | Changed batteries  |
|        |                        |                                     |      | 24                                 | 6.66                    | Visibility 5 feet  |
|        |                        |                                     | 1035 | 8                                  | 7.08                    | Current dropped  |
| 3/1/02 | Down current (in boat) | 40                                  | 1045 | 32                                 | 3.96                    | Visibility 5 feet  |
|        |                        |                                     |      | 24                                 | 5.64                    |  |
|        |                        |                                     | 1050 | 8                                  | 6.27                    |  |
| 3/1/02 | Down current (in boat) | 40                                  | 1100 | 32                                 | 3.13                    | Current picked up  |
|        |                        |                                     |      | 24                                 | 2.91                    |  |
|        |                        |                                     | 1105 | 8                                  | 5.64                    |  |
| 3/1/02 | Down current (in boat) | 40                                  | 1115 | 32                                 | 5.64                    |  |
|        |                        |                                     |      | 24                                 | 6.06                    |  |
|        |                        |                                     | 1120 | 8                                  | 4.56                    |  |
| 3/1/02 | Up current             | 35                                  | 1130 | 28                                 | 5.43                    | One diver out of water at 1145   |
|        |                        |                                     |      | 21                                 | 6.06                    |  |
|        |                        |                                     | 1135 | 7                                  | 6.27                    |  |
| 3/1/02 | Down current           | 40                                  | 1200 | 32                                 | 3.54                    | Current is stronger downstream location than at the upstream location        |
|        |                        |                                     |      | 24                                 | 3.75                    |  |
|        |                        |                                     | 1210 | 8                                  | 6.06                    |  |
| 3/1/02 | Down current           | 40                                  | 1220 | 32                                 | 4.77                    | Second diver and basket out of the water at 1235                             |
|        |                        |                                     |      | 24                                 | 5.64                    |  |

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| Date   | Station                        | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>   |
|--------|--------------------------------|-------------------------------------|------|------------------------------------|-------------------------|---|
|        |                                |                                     | 1225 | 8                                  | 5.43                    |   |
| 3/1/02 | Down current                   | 40                                  | 1235 | 32                                 | 4.56                    | Both divers and basket out of the water<br>1240-1430: Remove debris from beach (on shore)   |
|        |                                |                                     |      | 24                                 | 6.66                    |   |
|        |                                |                                     | 1240 | 8                                  | 5.64                    |   |
| 3/1/02 | Down current                   | 50+                                 | 1440 | 40                                 | 6.87                    | From barge (Foss using the boat to pump)<br>Very strong current                             |
|        |                                |                                     |      | 30                                 | 7.5                     |   |
|        |                                |                                     | 1445 | 10                                 | 4.77                    |   |
| 3/1/02 | Down current                   | 50+                                 | 1455 | 40                                 | 3.17                    | From barge (Foss using the boat to pump)<br>Very strong current                             |
|        |                                |                                     |      | 30                                 | 5.64                    |   |
|        |                                |                                     | 1500 | 10                                 | 5.85                    |   |
| 3/1/02 | Down current                   | 50+                                 | 1520 | 40                                 | 5.22                    | From barge (Foss using the boat to pump)<br>Very strong current                             |
|        |                                |                                     |      | 30                                 | 5.64                    |   |
|        |                                |                                     | 1525 | 10                                 | 7.5                     |   |
| 3/1/02 | Down current                   | 50+                                 | 1535 | 40                                 | 6.06                    | From barge (Foss using the boat to pump)<br>Very strong current<br>Readings fluctuating     |
|        |                                |                                     |      | 30                                 | 6.06                    |   |
|        |                                |                                     | 1540 | 10                                 | 7.08                    |   |
| 3/1/02 | Down current                   | 40                                  | 1615 | 32                                 | 6.06                    | Foss finished with boat   |
|        |                                |                                     |      | 24                                 | 4.77                    |   |
|        |                                |                                     | 1620 | 8                                  | 5.23                    |   |
| 3/1/02 | Down current                   | 40                                  | 1630 | 32                                 | 5.64                    | First diver out of water at 1628<br>Second diver out of water at 1633<br>Basket out at 1633 |
|        |                                |                                     |      | 24                                 | 4.77                    |   |
|        |                                |                                     | 1635 | 8                                  | 5.85                    |   |
| 3/2/02 | Up current (west of work area) | 30                                  | 0825 | 24                                 | 3.75                    |   |
|        |                                |                                     |      | 18                                 | 5.43                    |   |
|        |                                |                                     | 0830 | 6                                  | 4.98                    |   |
| 3/2/02 | Down current (in boat)         | 40                                  | 0900 | 32                                 | 4.77                    | Diver in water at 0850  |
|        |                                |                                     |      | 24                                 | 6.66                    |   |
|        |                                |                                     | 0905 | 8                                  | 4.98                    |   |
|        |                                |                                     | 0915 | 32                                 | 3.75                    | Visibility 5 feet   |

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| Date   | Station                | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>                                  |
|--------|------------------------|-------------------------------------|------|------------------------------------|-------------------------|--|
| 3/2/02 | Down current (in boat) | 40                                  |      | 24                                 | 2.91                    | Stronger current at down current location                          |
|        |                        |                                     | 0920 | 8                                  | 6.27                    |  |
| 3/2/02 | Down current (in boat) | 40                                  | 0930 | 32                                 | 5.46                    | Next reading: 0945   |
|        |                        |                                     |      | 24                                 | 7.29                    |  |
|        |                        |                                     | 0935 | 8                                  | 7.71                    |  |
| 3/2/02 | Down current (in boat) | 40                                  | 0945 | 32                                 | 4.77                    | Next reading: 1000   |
|        |                        |                                     |      | 24                                 | 4.35                    |  |
|        |                        |                                     | 0950 | 8                                  | 5.43                    |  |
| 3/2/02 | Down current (in boat) | 40                                  | 1000 | 32                                 | 6.87                    | Visibility 5 feet<br>Next reading: 1015                            |
|        |                        |                                     |      | 24                                 | 9.18                    |  |
|        |                        |                                     | 1005 | 8                                  | 7.08                    |  |
| 3/2/02 | Down current (in boat) | 40                                  | 1015 | 32                                 | 4.77                    | Next reading: 1030   |
|        |                        |                                     |      | 24                                 | 4.35                    |  |
|        |                        |                                     | 1020 | 8                                  | 6.06                    |  |
| 3/2/02 | Down current (in boat) | 40                                  | 1030 | 32                                 | 6.87                    | First diver out at 1030<br>Next reading: 1045                      |
|        |                        |                                     |      | 24                                 | 8.76                    |  |
|        |                        |                                     | 1035 | 8                                  | 5.64                    |  |
| 3/2/02 | Down current (in boat) | 40                                  | 1045 | 32                                 | 4.17                    |  |
|        |                        |                                     |      | 24                                 | 4.35                    |  |
|        |                        |                                     | 1050 | 8                                  | 6.45                    |  |
| 3/2/02 | Up current             | 30                                  | 1115 | 24                                 | 9.18                    | Wind picked up (5-10 mph)  |
|        |                        |                                     |      | 18                                 | 8.37                    |  |
|        |                        |                                     | 1120 | 6                                  | 5.43                    |  |
| 3/2/02 | Down current           | 40                                  | 1130 | 32                                 | 3.12                    | Current stronger at down current location compared with up current |
|        |                        |                                     |      | 24                                 | 4.77                    |  |
|        |                        |                                     | 1135 | 8                                  | 6.45                    |  |
| 3/2/02 | Down current (in boat) | 40                                  | 1145 | 32                                 | 3.12                    | Current picked up (very strong)                                    |
|        |                        |                                     |      | 24                                 | 4.17                    |  |
|        |                        |                                     | 1150 | 8                                  | 5.43                    |  |

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| Date   | Station                | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>                   |
|--------|------------------------|-------------------------------------|------|------------------------------------|-------------------------|---|
| 3/2/02 | Down current (in boat) | 40                                  | 1205 | 32                                 | 4.56                    | Next reading: 1220                                  |
|        |                        |                                     |      | 24                                 | 6.06                    |   |
|        |                        |                                     | 1210 | 8                                  | 4.17                    |   |
| 3/2/02 | Down current (in boat) | 40                                  | 1220 | 32                                 | 4.98                    |   |
|        |                        |                                     |      | 24                                 | 5.64                    |   |
|        |                        |                                     | 1225 | 8                                  | 4.77                    |   |
| 3/2/02 | Down current (in boat) | 40                                  | 1235 | 32                                 |                         | Divers out of the water at 1230                     |
|        |                        |                                     |      | 24                                 |                         |   |
|        |                        |                                     |      | 8                                  |                         |   |
| 3/2/02 | Down current (in boat) | 40                                  | 1325 | 32                                 | 5.43                    | Diver in water at 1320<br>Wind 15-20 mph            |
|        |                        |                                     |      | 24                                 | 4.56                    |   |
|        |                        |                                     | 1330 | 8                                  | 4.56                    |   |
| 3/2/02 | Down current (in boat) | 40                                  | 1340 | 32                                 | 4.98                    | Visibility 5 feet<br>Next reading: 1355             |
|        |                        |                                     |      | 24                                 | 5.85                    |   |
|        |                        |                                     | 1345 | 8                                  | 5.22                    |   |
| 3/2/02 | Down current (in boat) | 40                                  | 1355 | 32                                 | 5.64                    |   |
|        |                        |                                     |      | 24                                 | 6.06                    |   |
|        |                        |                                     |      | 8                                  | 4.98                    |   |
| 3/2/02 | Down current (in boat) | 40                                  | 1415 | 32                                 | 3.07                    | Could not take readings as other motor boat in area |
|        |                        |                                     |      | 24                                 | 3.13                    |   |
|        |                        |                                     | 1420 | 8                                  | 4.98                    |   |
| 3/2/02 | Down current (in boat) | 40                                  | 1430 | 32                                 | 4.77                    | Wind picked up<br>Rough current                     |
|        |                        |                                     |      | 24                                 | 5.75                    |   |
|        |                        |                                     |      | 8                                  | 4.17                    |   |
| 3/2/02 | Up current             | 30                                  | 1445 | 24                                 | 3.75                    | Windy (10 mph)                                      |
|        |                        |                                     | 1450 | 18                                 | 3.54                    |   |
|        |                        |                                     |      | 6                                  | 2.91                    |   |
| 3/2/02 | Down current (in boat) | 40                                  | 1505 | 32                                 | 4.98                    | Current picked up                                   |
|        |                        |                                     |      | 24                                 | 4.77                    |   |

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| Date   | Station                | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>                                      |
|--------|------------------------|-------------------------------------|------|------------------------------------|-------------------------|--|
|        |                        |                                     | 1510 | 8                                  | 6.66                    |  |
| 3/2/02 | Down current (in boat) | 40                                  | 1520 | 32                                 | 4.17                    |  |
|        |                        |                                     |      | 24                                 | 4.17                    |  |
|        |                        |                                     | 1525 | 8                                  | 6.27                    |  |
| 3/2/02 | Down current           | 40                                  | 1535 | 32                                 | 4.35                    |  |
|        |                        |                                     |      | 24                                 | 4.35                    |  |
|        |                        |                                     | 1540 | 8                                  | 6.27                    |  |
| 3/2/02 | Down current           | 40                                  | 1550 | 32                                 | 3.96                    |  |
|        |                        |                                     |      | 24                                 | 4.17                    |  |
|        |                        |                                     | 1555 | 8                                  | 5.43                    |  |
| 3/2/02 | Down current           | 40                                  | 1605 | 32                                 | 3.96                    |  |
|        |                        |                                     |      | 24                                 | 4.17                    |  |
|        |                        |                                     | 1610 | 8                                  | 5.22                    |  |
| 3/2/02 | Down current           | 40                                  | 1620 | 32                                 | 2.86                    | One diver and basket out of water<br>Second diver out of water at 1630 |
|        |                        |                                     |      | 24                                 | 2.91                    |  |
|        |                        |                                     | 1625 | 8                                  | 4.17                    |  |
| 3/4/02 | Up current             |                                     | 0745 | 36                                 | 6.06                    | Low pool (down ~2.5 feet)  |
|        |                        |                                     | 0746 | 25                                 | 5.85                    |  |
|        |                        |                                     | 0747 | 8.5                                | 5.43                    |  |
| 3/4/02 | Down current (in boat) | 50+                                 | 0835 | 40                                 |                         | Low pool, but strong current<br>Diver in water at 0825                 |
|        |                        |                                     | 0840 | 30                                 |                         |  |
|        |                        |                                     |      | 10                                 |                         |  |
| 3/4/02 | Down current (in boat) | 50+                                 | 0900 | 40                                 | 2.07                    | Changed batteries<br>Strong current                                    |
|        |                        |                                     |      | 30                                 | 1.86                    |  |
|        |                        |                                     | 0905 | 10                                 | 4.56                    |  |
| 3/4/02 | Down current (in boat) | 50+                                 | 0915 | 40                                 | 0.86                    |  |
|        |                        |                                     |      | 30                                 | 1.86                    |  |
|        |                        |                                     | 0925 | 10                                 | 7.5                     |  |
|        |                        |                                     | 0935 | 40                                 | 1.22                    |  |

## Field Turbidity Data Sheet

Bradford Island In-Water Removal Work

**Monitoring Location:** Pile 1

**Monitoring Dates:** 2/27, 2/28, 3/1, 3/2, 3/4/2002

**Weather:** 2/27: Sunny, 60 F, calm

2/28: Partly sunny, 40-45 F, calm

3/1: Partly sunny, 35 F, calm

3/2: Sunny, 35 F, slight easterly wind, calm

3/4: Sunny, 35 F, slight westerly wind

| Date   | Station  | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>                           |
|--------|--|-------------------------------------|------|------------------------------------|-------------------------|---|
| 3/4/02 | Down current (in boat)                                   | 50+                                 |      | 30                                 | 1.86                    |   |
|        |  |                                     | 0940 | 10                                 | 5.43                    |   |
| 3/4/02 | Down current (in boat)                                   | 50+                                 | 1025 | 40                                 | 4.17                    | Next reading: 1040  |
|        |  |                                     |      | 30                                 | 5.43                    |   |
|        |  |                                     | 1030 | 10                                 | 5.22                    |   |
| 3/4/02 | Down current (in boat)                                   | 50+                                 | 1040 | 40                                 | 4.98                    | Second diver out of the water at 1045<br>Next reading: 1055 |
|        |  |                                     |      | 30                                 | 3.75                    |   |
|        |  |                                     | 1045 | 10                                 | 4.75                    |   |
| 3/4/02 | Down current (in boat)                                   | 50+                                 | 1100 | 40                                 | 3.75                    | First diver in water at 1100                                |
|        |  |                                     |      | 30                                 | 4.96                    |   |
|        |  |                                     | 1105 | 10                                 | 5.64                    |   |
| 3/4/02 | Down current (in boat)                                   | 50+                                 | 1115 | 40                                 | 2.07                    | Second diver in water at 1110<br>Next reading: 1130         |
|        |  |                                     |      | 30                                 | 3.54                    |   |
|        |  |                                     | 1120 | 10                                 | 6.87                    |   |
| 3/4/02 | Down current (in boat)                                   | 50+                                 | 1130 | 40                                 | 5.43                    |   |
|        |  |                                     |      | 30                                 | 6.87                    |   |
|        |  |                                     |      | 10                                 | 5.22                    |   |
| 3/4/02 | Down current (in boat)                                   | 50+                                 | 1140 | 40                                 | 2.07                    | Visibility 5 feet   |
|        |  |                                     |      | 30                                 | 6.06                    |   |
|        |  |                                     | 1145 | 10                                 | 5.46                    |   |
| 3/4/02 | Down current (in boat)                                   | 50+                                 | 1155 | 40                                 | 6.66                    | Diver out of the water at 1200                              |
|        |  |                                     |      | 30                                 | 5.43                    |   |
|        |  |                                     | 1200 | 10                                 | 6.27                    |   |
| 3/4/02 | Sample Location #<br>020304IW07WC<br>(+ USACE Duplicate) | ~20                                 | 1330 |                                    | High of 17              | Sampling/removal work complete                              |
|        |  |                                     |      |                                    | Avg 7-10                |   |
|        |  |                                     | 1355 |                                    |                         |   |

Notes:

<sup>1</sup>River depth measured from average pool elevation to river bottom at the location of the turbidity monitoring station.

## Field Turbidity Data Sheet

Bradford Island In-Water Removal Work

**Monitoring Location:** Pile 1

**Monitoring Dates:** 2/27, 2/28, 3/1, 3/2, 3/4/2002

**Weather:** 2/27: Sunny, 60 F, calm

2/28: Partly sunny, 40-45 F, calm

3/1: Partly sunny, 35 F, calm

3/2: Sunny, 35 F, slight easterly wind, calm

3/4: Sunny, 35 F, slight westerly wind

| Date | Station | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup> |
|------|---------|-------------------------------------|------|------------------------------------|-------------------------|-----------------------------------|
|------|---------|-------------------------------------|------|------------------------------------|-------------------------|-----------------------------------|

<sup>2</sup>Turbidity meter readings will be collected at 20%, 60%, and 80% of the river depth.

<sup>3</sup>Note any visual observations of turbidity.

<sup>4</sup>Enter in the estimated time that the next turbidity readings will be recorded.

# Field Turbidity Data Sheet

## Bradford Island In-Water Removal Work

**Monitoring Location:** Pile 2

**Monitoring Dates:** 2/22, 2/23, 2/25, 2/26, 2/27/2002

**Weather:** 2/22: Cloudy, 50-55 F, wind ~10-15 mph

2/23: Rain, 45 F, wind 5-10 mph

2/25: Sunny, clear, very windy

2/26: Sunny, 60 F, very calm, slight breeze

2/27: Sunny, 35 F, calm, slight easterly wind

| Date    | Station                      | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>  |
|---------|------------------------------|-------------------------------------|------|------------------------------------|-------------------------|--|
| 2/22/02 | Up current (materials barge) | 28                                  | 0910 | 23                                 | 3.75                    | 1110: Diver in water   |
|         |                              |                                     |      | 13                                 | 3.96                    |  |
|         |                              |                                     |      | 5-6                                | 5.64                    |  |
| 2/22/02 | Down current                 | 42.5                                | 0950 | 34                                 | 6.66                    | Strong easterly current<br>Next reading: 1000                                    |
|         |                              |                                     |      | 25.5                               | 6.87                    |  |
|         |                              |                                     |      | 8.5                                | 8.16                    |  |
| 2/22/02 | Down current                 | 42.5                                | 1000 | 34                                 | 7.09                    | 1006: Diver out of water<br>Next reading: 1015                                   |
|         |                              |                                     |      | 25.5                               | 6.45                    |  |
|         |                              |                                     | 1005 | 8.5                                | 8.76                    |  |
| 2/22/02 | Down current                 | 42.5                                | 1010 | 34                                 | 7.08                    | 1016: Diver in water<br>Next reading: 1025                                       |
|         |                              |                                     |      | 25.5                               | 7.94                    |  |
|         |                              |                                     | 1015 | 8.5                                | 10.56                   |  |
| 2/22/02 | Down current                 | 42.5                                | 1025 | 34                                 | 6.93                    | Next reading: 1040   |
|         |                              |                                     |      | 25.5                               | 7.5                     |  |
|         |                              |                                     | 1030 | 8.5                                | 7.55                    |  |
| 2/22/02 | Down current                 | 42.5                                | 1040 | 34                                 | 5.22                    | Hauled out full work bin<br>Next reading: 1055                                   |
|         |                              |                                     |      | 25.5                               | 5.43                    |  |
|         |                              |                                     | 1045 | 8.5                                | 7.5                     |  |
| 2/22/02 | Down current                 | 42.5                                | 1055 | 34                                 | 5.22                    | Next reading: 1110   |
|         |                              |                                     |      | 25.5                               | 5.11                    |  |
|         |                              |                                     | 1100 | 8.5                                | 6.26                    |  |
| 2/22/02 | Down current                 | 42.5                                | 1110 | 34                                 | 4.77                    | Next reading: 1125   |
|         |                              |                                     |      | 25.5                               | 5.95                    |  |
|         |                              |                                     | 1115 | 8.5                                | 5.8                     |  |
| 2/22/02 | Down current                 | 42.5                                | 1125 | 34                                 | 2.69                    | Inform Chris of need for background divers removing debris<br>Next reading: 1140 |
|         |                              |                                     |      | 25.5                               | 3.12                    |  |
|         |                              |                                     | 1130 | 8.5                                | 6.26                    |  |
| 2/22/02 | Down current                 | 42.5                                | 1140 | 34                                 | 2.68                    | Next reading: 1155   |
|         |                              |                                     |      | 25.5                               | 3.23                    |  |
|         |                              |                                     | 1145 | 8.5                                | 6.27                    |  |

# Field Turbidity Data Sheet

## Bradford Island In-Water Removal Work

**Monitoring Location:** Pile 2

**Monitoring Dates:** 2/22, 2/23, 2/25, 2/26, 2/27/2002

**Weather:** 2/22: Cloudy, 50-55 F, wind ~10-15 mph

2/23: Rain, 45 F, wind 5-10 mph

2/25: Sunny, clear, very windy

2/26: Sunny, 60 F, very calm, slight breeze

2/27: Sunny, 35 F, calm, slight easterly wind

| Date    | Station                                    | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>                               |
|---------|--|-------------------------------------|------|------------------------------------|-------------------------|---|
| 2/22/02 | Down current                               | 42.5                                | 1150 | 34                                 | 3                       |   |
|         |  |                                     |      | 25.5                               | 3.58                    |   |
|         |  |                                     | 1155 | 8.5                                | 8.06                    |   |
| 2/22/02 | Up current                                 | 28                                  | 1220 | 23                                 | 3.96                    | Clear, visibility 7 feet<br>Stong current                       |
|         |  |                                     |      | 14                                 | 5.31                    |   |
|         |  |                                     |      | 5.5                                | 4.36                    |   |
| 2/22/02 | Down current                               | 50                                  | 1300 | 40                                 | 6.26                    | Clear, visibility 7 feet<br>Stong current<br>Next reading: 1315 |
|         |  |                                     |      | 30                                 | 7.58                    |   |
|         |  |                                     | 1305 | 10                                 | 8.57                    |   |
| 2/22/02 | Down current                               | 50                                  | 1315 | 40                                 | 4.2                     | Next reading: 1330  |
|         |  |                                     |      | 30                                 | 5.21                    |   |
|         |  |                                     | 1320 | 10                                 | 9.21                    |   |
| 2/22/02 | Down current                               | 50                                  | 1330 | 40                                 | 5                       | Diver below boat  |
|         |  |                                     |      | 30                                 | 6.35                    |   |
|         |  |                                     | 1335 | 10                                 | 7.41                    |   |
| 2/22/02 | Down current                               | 50                                  | 1345 | 40                                 | 5.85                    | One diver in river<br>Next reading: 1400                        |
|         |  |                                     |      | 30                                 | 6.06                    |   |
|         |  |                                     | 1350 | 10                                 | 7.06                    |   |
| 2/22/02 | Down current                               | 50                                  | 1400 | 40                                 | 4.86                    | Visibility 7.5 feet   |
|         |  |                                     |      | 30                                 | 5.1                     |   |
|         |  |                                     | 1405 | 10                                 | 7.78                    |   |
| 2/22/02 | Down current                               | 50                                  | 1415 | 40                                 | 5.5                     | 1415: Second diver in water<br>Next reading: 1430               |
|         |  |                                     |      | 30                                 | 5.64                    |   |
|         |  |                                     | 1420 | 10                                 | 6.87                    |   |
| 2/22/02 | Down current                               | 50                                  | 1430 | 40                                 | 4.95                    |   |
|         |  |                                     |      | 30                                 | 5.64                    |   |
|         |  |                                     | 1435 | 10                                 | 8.16                    |   |
| 2/22/02 | Up current (west of down current location) | 28                                  | 1445 | 23                                 | 6.66                    | Visibility 7.5 feet<br>Next reading: 1655                       |
|         |  |                                     |      | 14                                 | 6.77                    |   |
|         |  |                                     | 1455 | 5.5                                | 8.35                    |   |

# Field Turbidity Data Sheet

## Bradford Island In-Water Removal Work

**Monitoring Location:** Pile 2

**Monitoring Dates:** 2/22, 2/23, 2/25, 2/26, 2/27/2002

**Weather:** 2/22: Cloudy, 50-55 F, wind ~10-15 mph

2/23: Rain, 45 F, wind 5-10 mph

2/25: Sunny, clear, very windy

2/26: Sunny, 60 F, very calm, slight breeze

2/27: Sunny, 35 F, calm, slight easterly wind

| Date    | Station      | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>                           |
|---------|--------------|-------------------------------------|------|------------------------------------|-------------------------|---|
| 2/22/02 | Down current | 50                                  | 1510 | 40                                 | 7.29                    | Visibility 7 feet   |
|         |              |                                     |      | 30                                 | 7.08                    | Strong current  |
|         |              |                                     | 1515 | 10                                 | 8.05                    | Next reading: 1525  |
| 2/22/02 | Down current | 50                                  | 1525 | 40                                 | 7.29                    | Clear, visibility 7 feet                                    |
|         |              |                                     |      | 30                                 | 8.65                    | Next reading: 1540  |
|         |              |                                     | 1530 | 10                                 | 10.02                   |   |
| 2/22/02 | Down current | 50                                  | 1540 | 40                                 | 6.66                    | 1545: One diver out   |
|         |              |                                     |      | 30                                 | 7.29                    | Next reading: 1555  |
|         |              |                                     | 1545 | 10                                 | 8.16                    |   |
| 2/22/02 | Down current | 50                                  | 1555 | 40                                 | 6.87                    | Work bin and diver (last one) out of water                  |
|         |              |                                     |      | 30                                 | 7.29                    |   |
|         |              |                                     | 1600 | 10                                 | 8.16                    |   |
| 2/22/02 | Down current | 50                                  | 1610 | 40                                 | 6.66                    | 1407: Diver back in water                                   |
|         |              |                                     |      | 30                                 | 6.87                    | Diver below boat  |
|         |              |                                     | 1615 | 10                                 | 7.71                    |   |
| 2/22/02 | Down current | 50                                  | 1620 | 40                                 | 4.56                    | Diver and work basket within 20 feet of monitoring location |
|         |              |                                     |      | 30                                 | 4.77                    | 1625: Diver and work basket out of water                    |
|         |              |                                     | 1625 | 10                                 | 5.43                    |   |
| 2/23/02 | Up current   | 28                                  | 0730 | 24                                 | 2.07                    | No divers in water  |
|         |              |                                     |      | 16                                 | 3.54                    | Next reading: 0930  |
|         |              |                                     |      | 5.5                                | 3.54                    |   |
| 2/23/02 | Down current | 50                                  | 0930 | 40                                 | 2.95                    | Diver in water at 0840                                      |
|         |              |                                     |      | 30                                 | 3.17                    | Sample preparation 0840-0930                                |
|         |              |                                     | 0935 | 10                                 | 4.17                    | Next reading: 0945  |
| 2/23/02 | Down current | 50                                  | 0945 | 40                                 | 4.9                     | Second diver in water at 0935                               |
|         |              |                                     |      | 30                                 | 5.22                    | Strong current  |
|         |              |                                     | 0950 | 10                                 | 6.49                    | Next reading: 1000  |
| 2/23/02 | Down current | 50                                  | 1000 | 40                                 | 4.17                    | Visibility 7 feet   |
|         |              |                                     |      | 30                                 | 4.35                    | Next reading: 1015  |
|         |              |                                     | 1005 | 10                                 | 6.45                    |   |

# Field Turbidity Data Sheet

## Bradford Island In-Water Removal Work

**Monitoring Location:** Pile 2

**Monitoring Dates:** 2/22, 2/23, 2/25, 2/26, 2/27/2002

**Weather:** 2/22: Cloudy, 50-55 F, wind ~10-15 mph

2/23: Rain, 45 F, wind 5-10 mph

2/25: Sunny, clear, very windy

2/26: Sunny, 60 F, very calm, slight breeze

2/27: Sunny, 35 F, calm, slight easterly wind

| Date    | Station                           | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>                          |
|---------|-----------------------------------|-------------------------------------|------|------------------------------------|-------------------------|--|
| 2/23/02 | Down current                      | 50                                  | 1010 | 40                                 | 4.36                    | Foss pumping water/sediment from around electrical debris  |
|         |                                   |                                     |      | 30                                 | 4.77                    |  |
|         |                                   |                                     | 1015 | 10                                 | 6.45                    |  |
| 2/23/02 | Up current (west of Pile 2)       | 28                                  | 1030 | 24                                 | 5.64                    | Next reading: 1235   |
|         |                                   |                                     |      | 15.5                               | 6.06                    |  |
|         |                                   |                                     | 1035 | 5.5                                | 4.17                    |  |
| 2/23/02 | Down current                      | 50                                  | 1040 | 40                                 | 6.06                    | Foss finish pumping at 1045                                |
|         |                                   |                                     |      | 30                                 | 6.27                    |  |
|         |                                   |                                     | 1045 | 10                                 | 7.29                    |  |
| 2/23/02 | Sample Location #<br>020223IW02WC | 10                                  | 1050 |                                    | 26-3.33                 | Monitored during sample collection                         |
|         |                                   |                                     |      |                                    | AVG: 9-10               |  |
|         |                                   |                                     | 1140 |                                    |                         |  |
| 2/23/02 | Up current                        | 28                                  | 1220 | 24                                 | 5.77                    | Strong current<br>Next reading: 1425                       |
|         |                                   |                                     |      | 16                                 | 5.22                    |  |
|         |                                   |                                     | 1225 | 5.5                                | 6.66                    |  |
| 2/23/02 | Down current                      | 50                                  | 1235 | 40                                 | 4.35                    | Basket out of water  |
|         |                                   |                                     |      | 30                                 | 4.77                    |  |
|         |                                   |                                     | 1240 | 10                                 | 6.27                    |  |
| 2/23/02 | Down current                      | 50                                  | 1255 | 40                                 | 6.27                    | One diver still in water<br>Next reading: 1310             |
|         |                                   |                                     |      | 30                                 | 6.55                    |  |
|         |                                   |                                     | 1300 | 10                                 | 8.50                    |  |
| 2/23/02 | Down current                      | 50                                  | 1310 | 40                                 | 5.85                    | 1315: Remove iron rope                                     |
|         |                                   |                                     |      | 30                                 | 6.06                    |  |
|         |                                   |                                     | 1315 | 10                                 | 8.16                    |  |
| 2/23/02 | Down current                      | 50                                  | 1325 | 40                                 | 6.06                    | Second diver in water at 1322<br>1324: Basket out of water |
|         |                                   |                                     |      | 30                                 | 5.85                    |  |
|         |                                   |                                     | 1330 | 10                                 | 7.71                    |  |
| 2/23/02 | Down current                      | 50                                  | 1340 | 40                                 | 5.85                    | One diver out of water at 1325<br>1355: Remove iron rope   |
|         |                                   |                                     |      | 30                                 | 6.06                    |  |
|         |                                   |                                     | 1345 | 10                                 | 9.18                    |  |

# Field Turbidity Data Sheet

## Bradford Island In-Water Removal Work

**Monitoring Location:** Pile 2

**Monitoring Dates:** 2/22, 2/23, 2/25, 2/26, 2/27/2002

**Weather:** 2/22: Cloudy, 50-55 F, wind ~10-15 mph

2/23: Rain, 45 F, wind 5-10 mph

2/25: Sunny, clear, very windy

2/26: Sunny, 60 F, very calm, slight breeze

2/27: Sunny, 35 F, calm, slight easterly wind

| Date    | Station                     | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>   |
|---------|-----------------------------|-------------------------------------|------|------------------------------------|-------------------------|---|
| 2/23/02 | Down current                | 50                                  | 1400 | 40                                 | 3.75                    | Basket in water   |
|         |                             |                                     |      | 30                                 | 3.33                    | Stronger current closer to island   |
|         |                             |                                     | 1405 | 10                                 | 3.33                    | Moved further downstream in boat  |
| 2/23/02 | Down current                | 50                                  | 1415 | 40                                 | 3.75                    | Hit 22 NTU for ~3 seconds   |
|         |                             |                                     |      | 30                                 | 4.77                    | Hovered at 10 NTU for about 10-15 seconds at depth of 40 ft   |
|         |                             |                                     |      | 10                                 | 5.96                    |   |
| 2/23/02 | Down current                | 50                                  |      | 40                                 | 1-3                     | Dropped back down to 3.75 for 5 minutes<br>Monitored continuously for 20 minutes (between 1415 and 1435)                  |
|         |                             |                                     |      | 30                                 | 1-3                     |   |
|         |                             |                                     | 1435 | 10                                 | 1-3                     |   |
| 2/23/02 | Down current                | 50                                  | 1435 | 40                                 | 1-3                     | Unit was dragging on the river bottom, which is due to drop in current and resulted in high reading<br>Next reading: 1450 |
|         |                             |                                     |      | 30                                 | 1-3                     |   |
|         |                             |                                     | 1440 | 10                                 | 1-3                     |   |
| 2/23/02 | Down current                | 50                                  | 1445 | 40                                 | 1-3                     |   |
|         |                             |                                     |      | 30                                 | 1-3                     |   |
|         |                             |                                     | 1450 | 10                                 | 3.78                    |   |
| 2/23/02 | Up current                  | 28                                  | 1505 | 23                                 | 3.96                    |   |
|         |                             |                                     |      | 16                                 | 4.17                    |   |
|         |                             |                                     | 1510 | 5.5                                | 5.86                    |   |
| 2/23/02 | Down current                | 50                                  | 1520 | 40                                 | 3.77                    | Clear, visibility 7 feet  |
|         |                             |                                     |      | 30                                 | 4.96                    |   |
|         |                             |                                     | 1525 | 10                                 | 5.64                    |   |
| 2/23/02 | Down current                | 50                                  | 1550 | 40                                 | 5.22                    | Chris departs site at 1530<br>Basket out of water at 1640   |
|         |                             |                                     |      | 30                                 | 5.86                    |   |
|         |                             |                                     | 1555 | 10                                 | 6.26                    |   |
| 2/23/02 | Down current                | 50                                  | 1605 | 40                                 | 4.96                    | Basket in water at 1605<br>Basket out of water at 1608<br>Divers out of water at 1615                                     |
|         |                             |                                     |      | 30                                 | 4.55                    |   |
|         |                             |                                     | 1610 | 10                                 | 5.64                    |   |
| 2/25/02 | Up current (west of Pile 2) | 28                                  |      | 24                                 | 3.33                    | Next reading: 1000<br>Very choppy   |
|         |                             |                                     |      | 16                                 | 3.75                    |   |
|         |                             |                                     | 0800 | 5.5                                | 6.87                    |   |

# Field Turbidity Data Sheet

## Bradford Island In-Water Removal Work

**Monitoring Location:** Pile 2

**Monitoring Dates:** 2/22, 2/23, 2/25, 2/26, 2/27/2002

**Weather:** 2/22: Cloudy, 50-55 F, wind ~10-15 mph

2/23: Rain, 45 F, wind 5-10 mph

2/25: Sunny, clear, very windy

2/26: Sunny, 60 F, very calm, slight breeze

2/27: Sunny, 35 F, calm, slight easterly wind

| Date    | Station      | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>                |
|---------|--------------|-------------------------------------|------|------------------------------------|-------------------------|--|
| 2/25/02 | Down current | 50                                  | 0845 | 40                                 | 3.33                    | Diver in water at 0830<br>Next reading: 0900     |
|         |              |                                     |      | 30                                 | 1.86                    |  |
|         |              |                                     | 0850 | 10                                 | 3.21                    |  |
| 2/25/02 | Down current | 50                                  | 0900 | 40                                 | 2.7                     | Second diver in water at 0905                    |
|         |              |                                     |      | 30                                 | 3.21                    |  |
|         |              |                                     | 0905 | 10                                 | 3.33                    |  |
| 2/25/02 | Down current | 50                                  | 0915 | 40                                 | 2.7                     | Visibility 7 feet<br>Next reading: 0930          |
|         |              |                                     |      | 30                                 | 3.21                    |  |
|         |              |                                     | 0920 | 10                                 | 3.33                    |  |
| 2/25/02 | Down current | 50                                  | 0930 | 40                                 | 2.91                    | Very strong current<br>Next reading: 0945        |
|         |              |                                     |      | 30                                 | 2.7                     |  |
|         |              |                                     | 0935 | 10                                 | 6.06                    |  |
| 2/25/02 | Down current | 50                                  | 0945 | 40                                 | 2.7                     | Next reading: 1000                               |
|         |              |                                     |      | 30                                 | 2.91                    |  |
|         |              |                                     | 0950 | 10                                 | 7.95                    |  |
| 2/25/02 | Down current | 50                                  | 1000 | 40                                 | 1.86                    | Next reading: 1015                               |
|         |              |                                     |      | 30                                 | 2.7                     |  |
|         |              |                                     | 1005 | 10                                 | 8.37                    |  |
| 2/25/02 | Up current   | 28                                  | 1020 | 24                                 | 3.96                    | Next reading: 1225                               |
|         |              |                                     |      | 15.5                               | 4.17                    |  |
|         |              |                                     | 1025 | 5.5                                | 7.5                     |  |
| 2/25/02 | Down current | 50                                  | 1035 | 40                                 | 5.22                    | Next reading: 1050                               |
|         |              |                                     |      | 30                                 | 4.98                    |  |
|         |              |                                     | 1040 | 10                                 | 6.06                    |  |
| 2/25/02 | Down current | 50                                  | 1100 | 40                                 | 3.77                    | Diver out of water at 1055<br>Next reading: 1115 |
|         |              |                                     |      | 30                                 | 4.13                    |  |
|         |              |                                     | 1105 | 10                                 | 7.71                    |  |
| 2/25/02 | Down current | 50                                  | 1115 | 40                                 | 4.13                    | Diver back in water at 1115                      |
|         |              |                                     |      | 30                                 | 4.13                    |  |
|         |              |                                     |      | 10                                 | 6.06                    |  |

# Field Turbidity Data Sheet

Bradford Island In-Water Removal Work

**Monitoring Location:** Pile 2

**Monitoring Dates:** 2/22, 2/23, 2/25, 2/26, 2/27/2002

**Weather:** 2/22: Cloudy, 50-55 F, wind ~10-15 mph

2/23: Rain, 45 F, wind 5-10 mph

2/25: Sunny, clear, very windy

2/26: Sunny, 60 F, very calm, slight breeze

2/27: Sunny, 35 F, calm, slight easterly wind

| Date  | Station      | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>                              |
|---|--------------|-------------------------------------|------|------------------------------------|-------------------------|--|
| 2/25/02   | Down current | 50                                  | 1140 | 40                                 | 2.95                    | Next reading: 1155   |
|   |              |                                     |      | 30                                 | 2.7                     |  |
|   |              |                                     | 1145 | 10                                 | 2.95                    |  |
| 2/25/02   | Down current | 50                                  | 1155 | 40                                 | 3.95                    | Winds picked up (25-30 mph)                                    |
|   |              |                                     |      | 30                                 | 4.17                    | Next reading: 1210   |
|   |              |                                     | 1200 | 10                                 | 10.02                   |  |
| 2/25/02   | Down current | 50                                  | 1210 | 40                                 |                         | Divers out of water at 1215                                    |
|   |              |                                     |      | 30                                 |                         | Moved barges ~60 ft east (upstream) to central third of Pile 2 |
|   |              |                                     |      | 10                                 |                         |  |
| Moved barges ~60 feet east (upstream) to central third of Pile 2. |              |                                     |      |                                    |                         |  |
| 2/25/02   | Up current   | 33                                  | 1340 | 26.5                               | 3.96                    | Diver in water at 1350   |
|   |              |                                     |      | 20                                 | 4.17                    |  |
|   |              |                                     | 1345 | 6.5                                | 3.96                    |  |
| 2/25/02   | Down current | 50                                  | 1355 | 40                                 | 3.97                    | Next reading: 1410   |
|   |              |                                     |      | 30                                 | 4.17                    |  |
|   |              |                                     | 1400 | 10                                 | 4.33                    |  |
| 2/25/02   | Down current | 50                                  | 1410 | 40                                 | 3.75                    | Second diver in water at 1405                                  |
|   |              |                                     |      | 30                                 | 3.54                    | Deep conditions (divers at 46 feet)                            |
|   |              |                                     | 1420 | 10                                 | 7.71                    | Next reading: 1430   |
| 2/25/02   | Down current | 50                                  | 1430 | 40                                 | 3.96                    |  |
|   |              |                                     |      | 30                                 | 4.54                    |  |
|   |              |                                     | 1435 | 10                                 | 8.55                    |  |
| 2/25/02   | Down current | 50                                  | 1445 | 40                                 | 3.54                    | Visibility 5 feet  |
|   |              |                                     |      | 30                                 | 3.75                    |  |
|   |              |                                     | 1450 | 10                                 | 7.90                    |  |
| 2/25/02   | Down current | 50                                  | 1520 | 40                                 | 4.13                    | Changed battery  |
|   |              |                                     |      | 30                                 | 4.57                    |  |
|   |              |                                     | 1525 | 10                                 | 8.16                    |  |

# Field Turbidity Data Sheet

## Bradford Island In-Water Removal Work

**Monitoring Location:** Pile 2

**Monitoring Dates:** 2/22, 2/23, 2/25, 2/26, 2/27/2002

**Weather:** 2/22: Cloudy, 50-55 F, wind ~10-15 mph

2/23: Rain, 45 F, wind 5-10 mph

2/25: Sunny, clear, very windy

2/26: Sunny, 60 F, very calm, slight breeze

2/27: Sunny, 35 F, calm, slight easterly wind

| Date   | Station   | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>                          |
|--|---|-------------------------------------|------|------------------------------------|-------------------------|--|
| 2/25/02  | Up current  | 23                                  | 1530 | 26.5                               | 5.85                    |  |
|  |   |                                     |      | 20                                 | 5.64                    |  |
|  |   |                                     | 1535 | 6.5                                | 6.27                    |  |
| 2/25/02  | Down current                                      | 50                                  | 1535 | 40                                 | 7.75                    | Next reading: 1550   |
|  |   |                                     |      | 30                                 | 8.06                    |  |
|  |   |                                     | 1540 | 10                                 | 10.02                   |  |
| 2/25/02  | Down current                                      | 50                                  | 1550 | 40                                 | 6.77                    | Diver out of water at 1550                                 |
|  |   |                                     |      | 30                                 | 6.86                    |  |
|  |   |                                     | 1555 | 10                                 | 7.97                    |  |
| 2/26/02  | Up current (west of work area on materials barge) | 33                                  | 0730 | 26                                 | 5.85                    | Pool is up a few feet<br>Visibility 5 feet                 |
|  |   |                                     |      | 20                                 | 6.06                    |  |
|  |   |                                     | 0735 | 6.5                                | 7.95                    |  |
| Checked turbidity meter vs. calibration fluids: 925 NTU at 1000, 27 NTU at 20. |   |                                     |      |                                    |                         | Water is calm<br>Current still strong<br>Visibility 5 feet |
| 2/26/02  | Down current                                      | 50                                  | 0820 | 40                                 | 3.33                    | Diver in water at 0820 (off barge)<br>Next reading: 0835   |
|  |   |                                     |      | 30                                 | 4.75                    |  |
|  |   |                                     | 0825 | 10                                 | 4.96                    |  |
| 2/26/02  | Down current                                      | 28                                  | 0840 | 23.5                               | 5.75                    | Moved locations (in boat)<br>Next reading: 0855            |
|  |   |                                     |      | 17                                 | 5.22                    |  |
|  |   |                                     | 0845 | 5.5                                | 7.95                    |  |
| 2/26/02  | Down current                                      | 28                                  | 0855 | 22.5                               | 6.66                    | Next reading: 0910   |
|  |   |                                     |      | 17                                 | 7.08                    |  |
|  |   |                                     | 0900 | 5.5                                | 9.81                    |  |
| 2/26/02  | Down current                                      | 28                                  | 0910 | 22.5                               | 6.85                    | Basket out of water at 0930<br>Next reading: 0925          |
|  |   |                                     |      | 17                                 | 7.08                    |  |
|  |   |                                     | 0915 | 5.5                                | 8.06                    |  |
| 2/26/02  | Down current                                      | 28                                  | 0925 | 22.5                               | 6.87                    | Basket in water at 0920<br>Next reading: 0940              |
|  |   |                                     |      | 17                                 | 7.08                    |  |
|  |   |                                     | 0930 | 5.5                                | 7.29                    |  |

# Field Turbidity Data Sheet

## Bradford Island In-Water Removal Work

**Monitoring Location:** Pile 2

**Monitoring Dates:** 2/22, 2/23, 2/25, 2/26, 2/27/2002

**Weather:** 2/22: Cloudy, 50-55 F, wind ~10-15 mph

2/23: Rain, 45 F, wind 5-10 mph

2/25: Sunny, clear, very windy

2/26: Sunny, 60 F, very calm, slight breeze

2/27: Sunny, 35 F, calm, slight easterly wind

| Date  | Station  | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>   |
|---|--|-------------------------------------|------|------------------------------------|-------------------------|---|
| 2/26/02   | Down current   | 28                                  | 0940 | 22.5                               | 5.22                    | One diver out of water at 0945<br>Next reading: 0955  |
|   |  |                                     |      | 17                                 | 5.43                    |   |
|   |  |                                     | 0945 | 5.5                                | 6.87                    |   |
| 2/26/02   | Down current   | 28                                  | 0955 | 22.5                               | 5.10                    | Next reading: 1010  |
|   |  |                                     | 1000 | 17                                 | 5.43                    |   |
|   |  |                                     |      | 5.5                                | 6.87                    |   |
| 2/26/02   | Down current   | 28                                  | 1010 | 22.5                               | 4.13                    | Next reading: 1025  |
|   |  |                                     |      | 17                                 | 5.10                    |   |
|   |  |                                     | 1015 | 5.5                                | 5.98                    |   |
| 2/26/02   | Down current   | 28                                  | 1025 | 22.5                               | 4.35                    | Next reading: 1040  |
|   |  |                                     |      | 17                                 | 4.35                    |   |
|   |  |                                     | 1030 | 5.5                                | 5.10                    |   |
| 2/26/02   | Sample Location #<br>020226IW03WC                                | ~45                                 | 1100 |                                    | 4-6.77                  | Short spike up to 25 for ~5 seconds.<br>Chris Moody indicated divers camera in showed clear conditions predominated during sampling |
|   |  |                                     |      |                                    |                         |   |
|   |  |                                     | 1130 |                                    |                         |   |
| Diver out of water at ~1145. Move to final third portion (east side) of Pile 2. |  |                                     |      |                                    |                         |   |
| 2/26/02   | Up current (materials barge)<br>at final third portion of Pile 2 | 31                                  | 1305 | 24                                 | 7.08                    | Diver in water at 1310<br>Pool elevation has dropped ~1-2 feet, BPA is generating power (started at 1200)                           |
|   |  |                                     |      | 18                                 | 7.54                    |   |
|   |  |                                     | 1310 | 6                                  | 6.06                    |   |
| 2/26/02   | Down current   | 50                                  | 1315 | 40                                 | 6.45                    | Visibility 5 feet<br>Next reading: 1330   |
|   |  |                                     | 1320 | 30                                 | 7.08                    |   |
|   |  |                                     |      | 10                                 | 8.16                    |   |
| 2/26/02   | Down current   | 50                                  | 1330 | 40                                 | 6.45                    | Current dropped<br>Next reading: 1345   |
|   |  |                                     |      | 30                                 | 7.08                    |   |
|   |  |                                     | 1335 | 10                                 | 10.46                   |   |
| 2/26/02   | Down current   | 50                                  | 1345 | 40                                 | 8.06                    | Visibility 5 feet<br>Current still low  |
|   |  |                                     |      | 30                                 | 8.66                    |   |
|   |  |                                     | 1355 | 10                                 | 10.02                   |   |

# Field Turbidity Data Sheet

## Bradford Island In-Water Removal Work

**Monitoring Location:** Pile 2

**Monitoring Dates:** 2/22, 2/23, 2/25, 2/26, 2/27/2002

**Weather:** 2/22: Cloudy, 50-55 F, wind ~10-15 mph

2/23: Rain, 45 F, wind 5-10 mph

2/25: Sunny, clear, very windy

2/26: Sunny, 60 F, very calm, slight breeze

2/27: Sunny, 35 F, calm, slight easterly wind

| Date    | Station                        | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>  |
|---------|--------------------------------|-------------------------------------|------|------------------------------------|-------------------------|--|
| 2/26/02 | Down current                   | 50                                  | 1405 | 40                                 | 5.43                    | Next reading: 1425   |
|         |                                |                                     |      | 30                                 | 6.45                    |  |
|         |                                |                                     | 1415 | 10                                 | 7.5                     |  |
| 2/26/02 | Down current                   | 50                                  | 1425 | 40                                 | 8.06                    | Next reading: 1445   |
|         |                                |                                     |      | 30                                 | 8.66                    |  |
|         |                                |                                     | 1435 | 10                                 | 10.46                   |  |
| 2/26/02 | Down current                   | 50                                  | 1445 | 40                                 | 5.64                    | Switched divers at 1442  |
|         |                                |                                     |      | 30                                 | 6.06                    |  |
|         |                                |                                     | 1450 | 10                                 | 7.5                     |  |
| 2/26/02 | Down current                   | 50                                  | 1500 | 32                                 | 5.22                    | Very low current<br>Next reading: 1515                                     |
|         |                                |                                     |      | 24                                 | 5.64                    |  |
|         |                                |                                     | 1505 | 8                                  | 6.66                    |  |
| 2/26/02 | Down current                   | 50                                  | 1515 | 32                                 | 4.17                    | Very slow current (to the east)<br>Next reading: 1530                      |
|         |                                |                                     |      | 24                                 | 4.75                    |  |
|         |                                |                                     | 1520 | 8                                  | 5.22                    |  |
| 2/26/02 | Down current                   | 50                                  | 1530 | 32                                 | 5.1                     | Next reading: 1545   |
|         |                                |                                     |      | 24                                 | 5.43                    |  |
|         |                                |                                     | 1535 | 8                                  | 6.06                    |  |
| 2/26/02 | Down current                   | 50                                  | 1545 | 32                                 | 4.77                    | Next reading: 1600   |
|         |                                |                                     |      | 24                                 | 5.44                    |  |
|         |                                |                                     | 1550 | 8                                  | 4.56                    |  |
| 2/26/02 | Down current                   | 50                                  | 1605 | 32                                 | 3.17                    | Current picked up slightly<br>Diver out of water at 1415                   |
|         |                                |                                     |      | 24                                 | 3.54                    |  |
|         |                                |                                     | 1610 | 8                                  | 3.98                    |  |
| 2/27/02 | Up current (west of work area) | 31                                  | 0740 | 24                                 | 3.33                    | Diver in water at 0825   |
|         |                                |                                     |      | 18                                 | 3.75                    |  |
|         |                                |                                     |      | 6                                  | 3.54                    |  |
| 2/27/02 | Down current                   | 38                                  | 0830 | 30.5                               | 2.7                     | Strong east current<br>Second diver in water at 0840<br>Next reading: 0845 |
|         |                                |                                     |      | 23                                 | 3.43                    |  |
|         |                                |                                     | 0835 | 7.5                                | 3.96                    |  |

# Field Turbidity Data Sheet

Bradford Island In-Water Removal Work

**Monitoring Location:** Pile 2

**Monitoring Dates:** 2/22, 2/23, 2/25, 2/26, 2/27/2002

**Weather:** 2/22: Cloudy, 50-55 F, wind ~10-15 mph

2/23: Rain, 45 F, wind 5-10 mph

2/25: Sunny, clear, very windy

2/26: Sunny, 60 F, very calm, slight breeze

2/27: Sunny, 35 F, calm, slight easterly wind

| Date    | Station      | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>                         |
|---------|--------------|-------------------------------------|------|------------------------------------|-------------------------|---|
| 2/27/02 | Down current | 38                                  | 0845 | 30.5                               | 5.43                    | Next reading: 0900  |
|         |              |                                     |      | 23                                 | 5.64                    |   |
|         |              |                                     | 0850 | 7.5                                | 6.27                    |   |
| 2/27/02 | Down current | 38                                  | 0900 | 30.5                               | 5.22                    | Visibility 5 feet   |
|         |              |                                     |      | 23                                 | 5.64                    | Next reading: 0915  |
|         |              |                                     | 0905 | 7.5                                | 7.71                    |   |
| 2/27/02 | Down current | 38                                  | 0915 | 30.5                               | 4.77                    | Next reading: 0935  |
|         |              |                                     |      | 23                                 | 5.43                    |   |
|         |              |                                     | 0925 | 7.5                                | 6.86                    |   |
| 2/27/02 | Down current | 38                                  | 0935 | 30.5                               | 5.43                    | Visibility 5 feet   |
|         |              |                                     |      | 23                                 | 5.64                    | Next reading: 0950  |
|         |              |                                     | 0940 | 7.5                                | 7.98                    |   |
| 2/27/02 | Down current | 38                                  | 0950 | 30.5                               | 4.5                     | Next reading: 1005  |
|         |              |                                     |      | 23                                 | 5.22                    |   |
|         |              |                                     | 0955 | 7.5                                | 7.5                     |   |
| 2/27/02 | Down current | 38                                  | 1005 | 30.5                               | 5.22                    | Next reading: 1020  |
|         |              |                                     |      | 23                                 | 5.43                    |   |
|         |              |                                     | 1010 | 7.5                                | 8.16                    |   |
| 2/27/02 | Down current | 38                                  | 1020 | 30.5                               | 4.77                    | Divers complete survey                                    |
|         |              |                                     |      | 23                                 | 5.22                    | Began removing anchors                                    |
|         |              |                                     | 1030 | 7.5                                | 6.27                    | Divers out of water at 1035, mobilize to Pile 1 1045-1345 |

Notes:

<sup>1</sup>River depth measured from average pool elevation to river bottom at the location of the turbidity monitoring station.

<sup>2</sup>Turbidity meter readings will be collected at 20%, 60%, and 80% of the river depth.

<sup>3</sup>Note any visual observations of turbidity.

<sup>4</sup>Enter in the estimated time that the next turbidity readings will be recorded.

**Field Turbidity Data Sheet**  
Bradford Island In-Water Removal Work

**Monitoring Location:** Pile 3

**Monitoring Date:** 2/21/02

**Weather:** Rain, 45-50 F

| Date    | Station                      | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>                |
|---------|------------------------------|-------------------------------------|------|------------------------------------|-------------------------|--|
| 2/21/02 | Up current (Materials barge) | 50                                  |      | 15                                 | 3.48                    | Initial reading                                  |
|         |                              |                                     | 0745 | 30                                 | 4.26                    | No divers in water                               |
|         |                              |                                     |      | 40                                 | 3.08                    | Next reading: ~0945                              |
| 2/21/02 | Down current                 | 32                                  |      | 26                                 | 4.77                    | Initial reading                                  |
|         |                              |                                     | 0755 | 14.5                               | 4.98                    | No divers in water                               |
|         |                              |                                     |      | 6.5                                | 5.22                    |  |
| 2/21/02 | Down current                 | 27.5                                | 0825 | 22                                 | 4.67                    | Adjusted depths-current much slower than on 2/20 |
|         |                              |                                     |      | 16.5                               | 4.88                    | Diver in water at 0810                           |
|         |                              |                                     | 0830 | 5.5                                | 5.33                    | Visibility 7 feet                                |
| 2/21/02 | Down current                 | 32                                  | 0840 | 26                                 | 5.54                    | Current picked up                                |
|         |                              |                                     |      | 19.5                               | 5.43                    | Adjust depths                                    |
|         |                              |                                     | 0845 | 6.5                                | 6.16                    |  |
| 2/21/02 | Down current                 | 32                                  | 0855 | 26                                 | 5.54                    | Next reading: 0910                               |
|         |                              |                                     |      | 19.5                               | 5.54                    |  |
|         |                              |                                     | 0900 | 6.5                                | 5.75                    |  |
| 2/21/02 | Down current                 | 32                                  | 0910 | 26                                 | 5.54                    | Next reading: 0925                               |
|         |                              |                                     |      | 19.5                               | 5.56                    |  |
|         |                              |                                     | 0915 | 6.5                                | 6.16                    |  |
| 2/21/02 | Down current                 | 32                                  | 0925 | 26                                 | 5.54                    | 0920: Second diver in water                      |
|         |                              |                                     |      | 19.5                               | 5.33                    | Next reading: 0940                               |
|         |                              |                                     | 0930 | 6.5                                | 5.75                    |  |
| 2/21/02 | Down current                 | 32                                  | 0940 | 26                                 | 5.96                    | Visibility 7 feet                                |
|         |                              |                                     |      | 19.5                               | 5.43                    |  |
|         |                              |                                     | 0945 | 6.5                                | 5.75                    |  |
| 2/21/02 | Up current (Materials barge) | 50                                  | 0955 | 40                                 | 4.26                    | Next reading: 1200                               |
|         |                              |                                     |      | 30                                 | 4.26                    |  |
|         |                              |                                     | 1000 | 10                                 | 4.66                    |  |
| 2/21/02 | Down current                 | 32                                  | 1015 | 26                                 | 7.42                    | Visibility 7 feet                                |
|         |                              |                                     |      | 19.5                               | 7.63                    | Next reading: 1030                               |
|         |                              |                                     | 1020 | 6.5                                | 8.06                    |  |
| 2/21/02 | Down current                 | 32                                  | 1030 | 26                                 | 7.63                    | Next reading: 1045                               |
|         |                              |                                     |      | 19.5                               | 8.06                    |  |
|         |                              |                                     | 1035 | 6.5                                | 8.06                    |  |

**Field Turbidity Data Sheet**  
Bradford Island In-Water Removal Work

**Monitoring Location:** Pile 3

**Monitoring Date:** 2/21/02

**Weather:** Rain, 45-50 F

| Date  | Station      | Total River Depth (ft) <sup>1</sup> | Time | Depth of Reading (ft) <sup>2</sup> | Turbidity Reading (NTU) | Notes/Next Reading <sup>3,4</sup>  |
|---|--------------|-------------------------------------|------|------------------------------------|-------------------------|--|
| 2/21/02   | Down current | 32                                  | 1045 | 26                                 | 7.4                     | Next reading: 1100   |
|   |              |                                     |      | 19.5                               | 7.55                    |  |
|   |              |                                     | 1050 | 6.5                                | 8.27                    |  |
| 2/21/02   | Down current | 32                                  | 1100 | 26                                 | 7.42                    | 1100: One diver and work basket out of water<br>Next reading: 1115         |
|   |              |                                     |      | 19.5                               | 7.63                    |  |
|   |              |                                     | 1105 | 6.5                                | 8.06                    |  |
| 2/21/02   | Down current | 32                                  | 1115 | 26                                 | 7.73                    | 1100: Pull anchors out<br>Removal at Pile #3 complete                      |
|   |              |                                     |      | 19.5                               | 8.16                    |  |
|   |              |                                     | 1120 | 6.5                                | 8.36                    |  |
| 2/21/02   | Down current | 32                                  | 1130 | 26                                 | 7.64                    | Last diver out of water at 1125  |
|   |              |                                     |      | 19.5                               | 7.83                    |  |
|   |              |                                     |      | 6.5                                | 8.06                    |  |
| 2/21/02   | Down current | 32                                  | 1150 | 26                                 | 7.5                     | 1151: Diver in water to remove last anchor                                 |
|   |              |                                     |      | 19.5                               | 8.06                    |  |
|   |              |                                     | 1155 | 6.5                                | 8.36                    |  |
| 2/21/02   | Down current | 32                                  | 1205 | 26                                 | 8.46                    | Next reading: 1220   |
|   |              |                                     |      | 19.5                               | 8.16                    |  |
|   |              |                                     | 1210 | 6.5                                | 7.73                    |  |
| 2/21/02   | Down current | 32                                  | 1220 | 26                                 | 8.06                    | Next reading: 1235   |
|   |              |                                     |      | 19.5                               | 8.36                    |  |
|   |              |                                     | 1225 | 6.5                                | 8.87                    |  |
| 2/21/02   | Down current | 32                                  | 1235 | 26                                 | 7.83                    | Still removing anchors<br>Cannot get to BGD location due to crane activity |
|   |              |                                     |      | 19.5                               | 8.98                    |  |
|   |              |                                     | 1240 | 6.5                                | 9.39                    |  |
| 2/21/02   | Down current | 32                                  | 1250 | 26                                 | 8.36                    | 1230: Diver out of water<br>Work at pile completed                         |
|   |              |                                     |      | 19.5                               | 8.76                    |  |
|   |              |                                     | 1255 | 6.5                                | 9.28                    |  |
| 1250-1445: Mobilization from Pile 3 to Pile 2   |              |                                     |      |                                    |                         |  |
| 1445-1630: URS recons shoreline: found several seeps, found more concrete and metal (rope, cable, bolts) debris |              |                                     |      |                                    |                         |  |

Notes:

<sup>1</sup>River depth measured from average pool elevation to river bottom at the location of the turbidity monitoring station.

<sup>2</sup>Turbidity meter readings will be collected at 20%, 60%, and 80% of the river depth.

<sup>3</sup>Note any visual observations of turbidity.

<sup>4</sup>Enter in the estimated time that the next turbidity readings will be recorded.